



E S S E N T I A L S

Application brochure

Haar / Hair
Serum



Dear 8T3 User,

Thank you for choosing our 8T3 Essentials Hair Serum.

What we stand for.

At Mallia Aesthetics, we are convinced that science belongs not only in the laboratory – it should deliver visible results in everyday life.

Our products are based on clear principles:

- Real results: No myths, no empty promises. We rely on research that achieves sustainable results.
- Transparent origin: We act consistently and responsibly – from the selection of active ingredients to the application. We disclose how our products are created and make complex information understandable for you.
- Uncompromising responsibility: Our work is supported by an interdisciplinary team that combines science, development, and ethical brand management. At the core are shared values with which we set new standards in efficacy.



Prof. Dr Alexander Steinkasserer
Co-Founder & Managing Director

**The Science of Hair.
For the Best of You.**



What is 8T3 Essentials Hair Serum?

The 8T3 Essentials Hair Serum is an innovative formulation with the ingredient MAL-838, a biotechnologically produced modified form of the naturally occurring protein, sCD83. The serum was developed to support natural regeneration processes, particularly for thinning hair. When applied to the scalp, it penetrates the hair follicles, where it reaches and strengthens the hair roots.

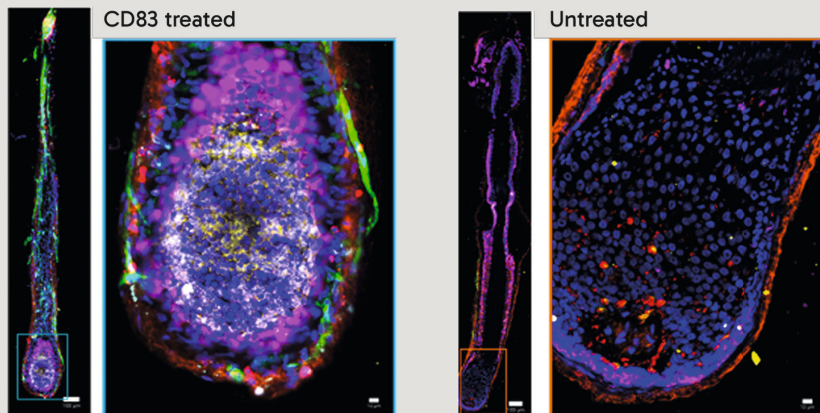
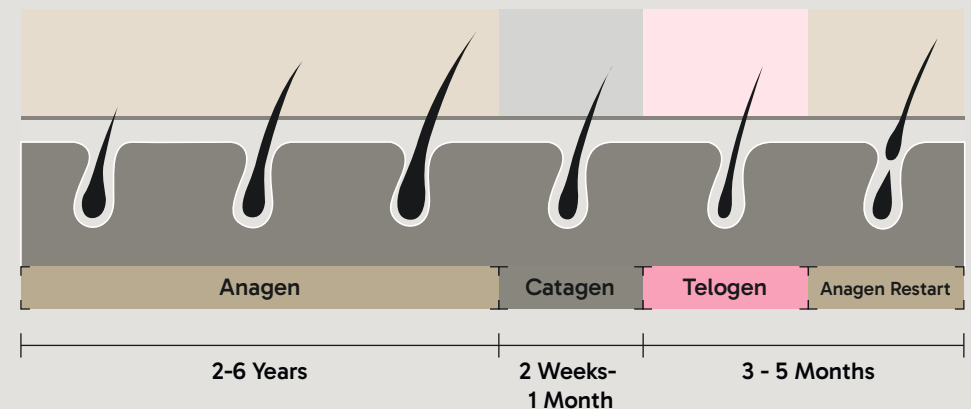


Figure: sCD83 revitalises hair follicles. Human hair follicles were treated with sCD83 and the processes at the cellular level were examined using the latest imaging technologies (MACSima™). It was demonstrated that sCD83 visibly supports the health of the hair follicle more effectively than the PBS-treated control.

Hair Growth and Hair Loss.

The human hair cycle is a continuous process: hair grows, sheds, and renews itself. Each hair follicle – the structure in the skin from which a hair grows – has its own rhythm, which is why we do not lose all our hair at once.

Typically, hair roots are in the growth phase (anagen phase) for 2 to 6 years. Depending on individual predisposition, this phase can be shorter or longer. It is followed by the transition phase (catagen phase), during which growth stops, and the hair is no longer supplied with nutrients. The hair then enters the resting phase (telogen phase) for around 2 to 4 months, before it finally sheds and a new growth cycle starts.



The hair cycle in androgenetic alopecia.

Androgenetic alopecia is the most common form of hair loss in men and women. As the name suggests, both hormones (androgens) and genetic predisposition play a decisive role.

In people with hereditary hair loss, hair follicles in certain areas of the scalp are hypersensitive to hormones. In men, this typically affects the forehead, temples, and crown; in women, the parting area.

Dihydrotestosterone (DHT), a breakdown product of the sex hormone testosterone, plays a key role. DHT binds to these sensitive hair follicles and triggers processes that shorten the hair's growth phase (anagen).

The consequences are clearly visible: the growth phase of the hair is shortened, leading to faster shedding and hair that becomes progressively thinner and finer with each cycle.

Over time, the follicles miniaturise significantly, yielding only tiny, downy vellus hairs. Eventually, growth stops entirely, resulting in the characteristic bald patches.

It is important to understand that this is not due to an excess of testosterone or DHT in the blood. Instead, the underlying issue is the genetically determined hypersensitivity of the follicles to DHT. This hypersensitivity also leads to inflammatory responses in the scalp. These initially impair hair growth and can, in the long term, lead to the death of hair follicles.



How can 8T3 Essentials Hair Serum help with androgenetic alopecia?

With evidence-based formulations and the innovative ingredient MAL-838, 8T3 Essentials Hair Serum targets the root of the problem – supporting people on their path back to healthy hair and greater self-confidence.

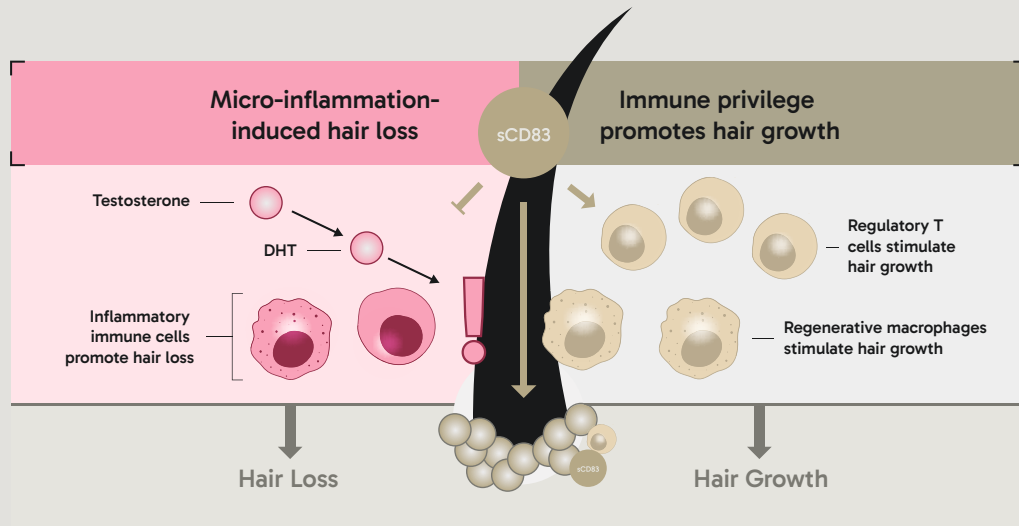


Figure: Dihydrotestosterone (DHT) damages hair follicles by activating pro-inflammatory immune cells in the area and initiating cell death in the follicles. This shortens the hair's growth phase and ultimately leads to follicle death. The result is hair loss and the formation of bald patches on the scalp. sCD83 strengthens the hair root and supports a balanced environment for healthy hair growth.

When can I expect positive results?

Hair grows in natural cycles that can last several years. Therefore, any change takes time and patience. After about 6 months of consistent use – twice a week – the first visible changes may appear. Hair may look stronger and feel more regenerated.

Important: Regular use is crucial for success!

A pack of 50 ampoules is designed for six months of use.

Who is behind Mallia Aesthetics?

Mallia Aesthetics, a subsidiary founded in 2025 by Mallia Innovations, translates pioneering research into effective haircare.

Our products are based on the scientific findings of **Prof. Dr Alexander Steinkasserer**, a renowned expert on the molecule CD83. He remains a key researcher at the University Hospital Erlangen, having continuously contributed to the field for over 25 years with his results published in numerous international peer-reviewed journals.

We stand for a new generation of cosmetic solutions – scientifically grounded and developed for people who expect more than haircare.

How to use 8T3 Essentials Hair Serum?



Optimal use

Apply the serum twice a week – for example, on Monday and Thursday – in the evening to bald or thinned areas of the scalp.



Preparation

One ampoule is sufficient for one application. Hold the ampoule upright and gently tap it on the base to ensure the liquid collects at the bottom.



Opening & Application

Twist off the tab with the sticker. Apply the serum drop by drop directly to the bald or thinned areas.



Massage in

Gently massage the serum into the scalp with your fingertips. Then wash your hands.



Leave-on time

Allow the serum to absorb completely and leave it on overnight. The following morning, you can wash or style your hair as usual.



8T3 Essentials Hair Serum

Revitalising serum for stronger, fuller-looking hair.

- Fortifies hair at the root.
- Nourishes hair follicles to promote stronger growth.

6-Month Supply

50 x 1ml single-use ampoules

Ingredients: Phosphate Buffered Saline,
sh-Polypeptide-167

Vegan

Microbiome-friendly

Dermatologically tested – tolerance ‘Very good’



Learn more
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